

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKTMO610
Product Name	Sika Monotop 610
Product Description	Single component polymer modified cementitious bonding bridge and steel reinforcement primer.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component	Concentration	Classification	Risk Phrases
1) Portland Cement	25.00%-50.00%	Xi	R41
2) Silica,amorphous	2.50%-10.00%		
3) Sodium nitrite	0.10%-1.00%	O, T	R8, .. R25

HAZARD IDENTIFICATION

Main Hazards	Risk of serious damage to eyes. Dry cement powders in normal use have no harmful effect on the dry skin However when cement is mixed with water or becomes damp,alkalies are released which can be harmful. Contact with wet cement or wet mortar may cause irritation,dermatitis or burns.
Health Effects - Eyes	Dust will cause conjunctival irritation and possibly corneal damage.
Health Effects - Skin	Repeated and/or prolonged contact may lead to dermatitis. Repeated or prolonged contact may cause chemical burns.
Health Effects - Inhalation	Exposure to dust at high concentrations may have the following effects:- irritation of nose, throat and respiratory tract.

FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
Skin Contact	Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists. Contaminated clothing should be washed or dry-cleaned before re-use.
Ingestion	Do not induce vomiting. Wash out mouth with water.
Inhalation	Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure,obtain medical attention.

**FIRE FIGHTING MEASURES****Extinguishing Media**

Not combustible.
Select extinguishing agent appropriate to other materials involved.

ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Wear appropriate protective clothing.

Spillages

Avoid creating a dust.
Sweep up into suitable containers for recovery or disposal.

HANDLING AND STORAGE**Handling**

Avoid inhaling dust.
Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

Storage

Use in well ventilated area.
Storage area should be: cool. dry.

EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits - GB**

1) Portland Cement

UK EH40: OES 10mg/m³ 8h TWA. Dust, total inhalable:

UK EH40: OES 5mg/m³ 8h TWA. Dust, respirable:

2) Silica,amorphous

UK EH40: OES 6mg/m³ 8h TWA. Dust, total inhalable:

UK EH40: OES 3mg/m³ 8h TWA. Dust, respirable:

Engineering Control Measures

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
Every effort should be made to prevent airborne dusts arising during mixing operations.

Respiratory Protection

If limits are exceeded use an approved dust mask.

Hand Protection

Wear suitable impervious gloves.

Eye Protection

Dust tight goggles.

Body Protection

Protective clothing should be worn which ensures that cementitious materials do not come into contact with the skin. Particular care should be taken to ensure that wet mortar does not enter boots/footwear.

PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Powder.

Color

Grey.

Odor

None.

pH

Approx. 12 in water.

Flash Point °C

Not applicable.

Explosion Limits (%)

Not determined.

Solubility - Water

Partially soluble.

Density (kg/m³)

Approx. 1.15. (loose) (measured as kg/litre)

**STABILITY AND REACTIVITY**

<i>Stability</i>	Stable under normal conditions.
<i>Materials to avoid</i>	Strong mineral acids.
<i>Hazardous Decomposition Products</i>	None known.

TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Cement is a severe eye irritant. Gross exposures or untreated mild exposures can lead to chemical burning and ulceration of the eye.
<i>Skin irritation</i>	Cement and/or water/cement mixtures may cause irritant contact dermatitis, allergic (chromium) dermatitis, and/or burns.

ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is sparingly soluble in water.
<i>Persistence/degradability</i>	Inorganic basis, therefore non biodegradable.
<i>Bioaccumulative potential</i>	Product is not expected to bioaccumulate.
<i>Ecotoxicity</i>	The product is expected to be non-hazardous to aquatic species.


DISPOSAL

<i>Product Disposal</i>	As an inert material it may be disposed of via an approved solid waste disposal facility.
<i>Container Disposal</i>	Empty packaging may be disposed along with normal builders waste via an authorised waste contractor.

TRANSPORT INFORMATION

<i>UN : UN number</i>	Not classified as dangerous for transport.
<i>ADR/RID Substance Identification Number</i>	Not classified.
<i>ADR/RID Proper shipping name</i>	Not listed.
<i>IMDG : Proper shipping name</i>	Not classified.
<i>IATA : Proper shipping name</i>	Not classified.

REGULATORY INFORMATION

<i>Label Requirements</i>	Irritant 
<i>Risk Phrases</i>	Risk of serious damage to eyes. BCA recommended risk phrases: Contact with wet cement, wet concrete or wet mortar may cause irritation, dermatitis or burns. Contact between cement powder and body fluids (eg sweat and eye fluid) may also cause irritation, dermatitis or burns.



SAFETY DATA SHEET

Sika Monotop 610

Date of issue - 22/03/2001.

SKTMO610

Safety Phrases

Keep out of reach of children.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After contact with skin, wash immediately with plenty of: soap and water.
Wear suitable protective clothing, gloves and eye/face protection.

OTHER INFORMATION

First Issue Date

23.08.1995

Revisions Highlighted

Composition/Information on the Components

Uses and Restrictions

Footnote
Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.
SI 1999/437: The Control of Substances Hazardous to Health Regulations
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

UK Guidance Publications

General Approved Code of Practice to COSHH Regulations, HSE.
EH40, Occupational Exposure Limits, HSE. Revised Annually.
EH44, Dust in the Workplace: General Principles of Protection, HSE.
EH26, Occupational Skin Diseases: Health and Safety Precautions, HSE.
CONIAC Health Hazard Information Sheet No.26 (Cement)

Footnote

The information contained in this SDS corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.